

ABSTRACT OF THE DISCLOSURE

A circuit for generating a reference current, comprising a positive feedback loop, a negative feedback loop, and a floating current mirror coupled to the positive feedback loop. The
5 negative feedback loop may operate to divert current directly from the floating mirror, and may also operate to divert current from the floating mirror by using a voltage follower. The circuit may operate with a minimum supply voltage of approximately the sum of the threshold voltage of a transistor
10 plus three drain saturation voltages, in one example.

4829-8513-6640\1